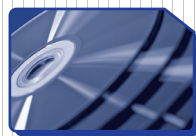




CLARiTY
ELEMENTS™
IMAGE INTEGRATOR



User Manual
VERSION 1.0

Innovative Medical Imaging



Foreword

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Clarity Elements Image Integrator Information

Please Enter the details of the Clarity Elements Image Integrator system here:

Serial Number: _____

Date Purchased: _____

Interface Type: USB 2.0

Safety Information

Read and understand the installation and operating instructions before starting the Clarity Elements Image Integrator.

Conventions

 **DANGER** A DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations.

 **WARNING** A WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION** A CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

 **Note** A NOTE indicates important information that helps you make better use of your Clarity Elements Image Integrator and Software.

 **Notice** A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

Malfunctioning Equipment

If any iCRco software product shows signs of malfunction, try restarting the computer; if the problem persists or is reproducible discontinue the use of the product immediately and contact Technical Support at 310-921-9559.

iCRco Warranty

iCRco , Inc. ("iCRco") values your business and always strives to provide high quality products and services. All iCRco products are provided with an initial warranty so the hardware and software are covered from the date of purchase. This limited warranty solely applies to new products manufactured by or for iCRco and originally purchased from iCRco or an authorized dealer of iCRco products for your own use. In addition, an extended warranty is available for most new and recently purchased iCRco products for an additional charge.

Hardware Limited Warranty

iCRco warrants its hardware products to be free of defects in materials and workmanship for a period of one (1) year from the date of original shipment from iCRco subject to the

limitations set forth herein. If a product proves to be defective in material or workmanship during the warranty period, iCRco will, at its sole option, repair or replace the product with a similar product. Repaired and replacement products may be or include refurbished or remanufactured parts. Any replacement item assumes the remaining warranty period of the original product. iCRco provides no warranty for any third party hardware or software included with any product or later acquired.

Software Limited Warranty/Support

iCRco warrants that its QPC XSCAN32, Captera, and/or ClarityPACS software originally provided with any product will substantially conform to iCRco's specifications and that the media, not including hard drives, on which the software is furnished will be free from defects in materials and workmanship under normal use for a period of one (1) year from the date of original shipment from iCRco. iCRco's sole obligation under this warranty is limited to making reasonable efforts to ensure such conformity and to supply the consumer with a corrected version of the software as soon as it is practical after the consumer has notified iCRco of any non conformity. iCRco does not warrant that the operation of any software will be uninterrupted, glitch or error free or that functions contained in the software will operate in the combinations which may be selected for use by the user or meet the user's requirements. This limited software warranty will be void if the software is modified without the written approval of iCRco or is used outside of the recommended parameters or equipment. iCRco does not provide any warranty or support for any other software.

iCRco agrees to provide one (1) year of telephonic and/or e-mail based support for QPC XSCAN32, Captera, and/or ClarityPACS software originally provided with any new iCRco product from the date of original shipment from iCRco. All software support shall be limited to making reasonable efforts to resolve iCRco software issues and shall be limited to iCRco's regular business hours. In addition, iCRco will provide revisions and upgrades to its software upon request (when available) during the first year after the software was originally shipped from the iCRco factory. The initial support period will include support via remote login software (GoToMeeting), only if the customer has access to the Internet from that PC and only if the customer agrees iCRco shall have no liability in connection with its support efforts. Remote login software allows iCRco technical support to remotely access the customer's PC via the Internet for the purposes of rendering technical support. Please note that this warranty, including software support, does not include computer hardware, third party software or operating system or network issues, which are outside the control of iCRco.

Warranty Product Technical Requirements

iCRco requires that all DR, CR, Scanner and/or products requiring PCs be fitted and installed with a 1500VA (1500W) uninterruptible power supply ("UPS"). iCRco recommends the APC 1000 specification UPS or equivalent. For warranty evaluation and service, iCRco

requires the customer to provide an Internet connection (DSL or Dial-up) or the minimum of a phone line accessible by an extension cord to the product enabling iCRco technicians to perform remote diagnostics on installed equipment. In addition, each iCRco product must be installed, maintained and operated in accordance with the respective product manual. Failure to comply with these requirements will result in a voided warranty claim.

Requesting Warranty Service

For information on obtaining warranty service, call iCRco's customer support at (310)921-9559. In order to evaluate a warranty service request, iCRco requires the following information: the iCRco serial number of the product, a detailed description of the problem, customer name and contact information; product location and operating conditions; a copy of the purchase documents, and sufficient information and authorization, including a liability release as to any loss of data (that should always be backed up), software or network injury, or downtime, allowing iCRco technicians remote access to the product. Product may not be returned to iCRco without first obtaining a Return Material Authorization ("RMA") number from iCRco . Prior to providing an RMA, iCRco may require remote access to the product. If iCRco determines that the product may be defective, is under warranty and necessitates a return to iCRco for service, an RMA number and instructions for return of the product will be given. iCRco is not responsible for any unauthorized returned product, i.e. one for which an RMA number has not been issued by iCRco .

Warranty service requires all authorized returns be shipped to the iCRco factory prepaid and insured. All such authorized returns are the customer's responsibility. For products sold and located within the United States, iCRco will pay for return shipping.

Products being returned are only to be shipped in iCRco approved shipping containers. The original box and packaging materials are approved and should be kept for moving and/or shipping the product. Approved packaging may also be purchased from iCRco for an additional charge. iCRco shall have no liability nor responsibility for warranty service to any product that is not shipped in an iCRco approved shipping container or that is damaged from incorrect packaging or damaged during shipping.

Additional Warranty Limitations and Extent of Warranty

This warranty does not apply if the product has been damaged by accident, misuse or abuse. In addition, warranty service does not include the repair of failures or defects caused by: unauthorized attachments to any iCRco product, unsuitable physical or operating environment, maintenance or repair by anyone other than iCRco or the iCRco authorized dealer that sold the product, operation of a product beyond its duty cycle, use of the product outside of its specifications, the use of supplies, parts, materials, software, or interfaces not furnished, authorized or recommended by iCRco . If the product, including any software has been opened, tampered with, modified or altered in any way without written authorization by iCRco , the warranty will no longer apply.

This warranty applies only to products manufactured by, or for, iCRco , and that can be identified by an “iCRco” serial number as originally affixed to the product. Any modification to the iCRco serial number tag or its attachment to the product shall immediately void the warranty.

This warranty is non-transferable and subsequent owners must contact iCRco to establish if the equipment is eligible for an extended warranty.

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The exclusive remedy for any defective product is limited to the repair or replacement of the defective product. iCRco shall have a reasonable time after determining that a defective product exists to repair or replace a defective product. iCRco’s entire liability for any product is limited to the actual purchase price for the product. This limitation applies even if iCRco cannot or does not repair or replace any defective product.

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Revision History

Revision	Author	Date	Notes
A	MS	2010-06-23	Initial Release

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 1.1 Installation 1

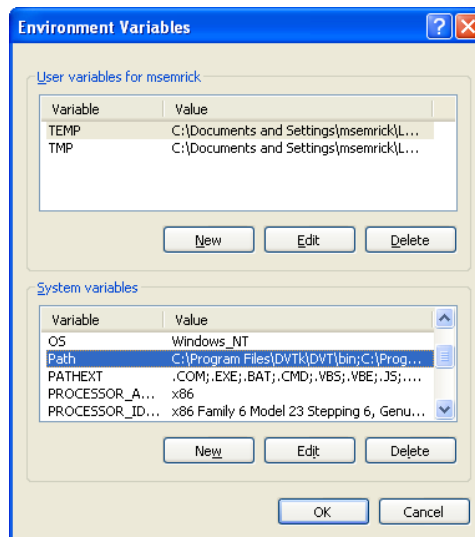
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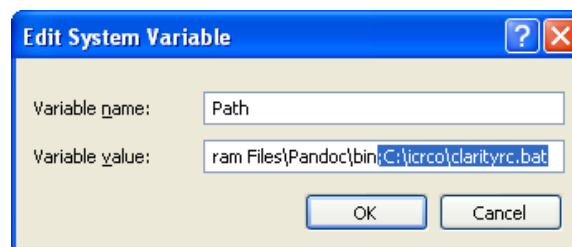
1. Clarity Elements Image Integrator

1.1 Installation

1. Insert the media containing Clarity Elements Image Integrator into the computer.
2. **COPY** the ClarityRC folder from the installation media into `C:\icrco\`. If this folder does not exist, create it.
3. Add the clarityrc.bat to the system path:
 - (a) Go to *Start* → *Control Panel* → *System*.
 - (b) In the *System* dialog, select the **Advanced** tab.
 - (c) In the *Advanced* tab, click the **Environment Variables** button.
 - (d) In the *System variables* list, highlight **Path**, then click the **Edit** button.



- (e) In the *Edit System Variable* dialog, add `;C:\icrco\clarityrc.bat` to the end of the list. Then click **OK** to save the changes.



4. The computer must be restarted for changes to take effect.

1.2 Usage

From a command prompt, use: `exec clarityrc.bat [options]`

1.3 Options

`--loadpatientid [id]`

Enters the supplied patient ID into Clarity's worklist search field, changes the search by target to patient ID, and initiates retrieval of the images from the Clarity Archive to the Clarity Viewer. The success of the operation is designated by an outputted 1 for success and 0 for failure.

`--loadpatientname [name]`

Enters the supplied patient name into Clarity's worklist search field, changes the search by target to patient name, and initiates retrieval of the images from the Clarity Archive to the Clarity Viewer. The success of the operation is designated by an outputted 1 for success and 0 for failure.

`--loadaccession [accession]`

Enters the supplied accession number into Clarity's worklist search field, changes the search by target to accession, and initiates retrieval of the images from the Clarity Archive to the Clarity Viewer. The success of the operation is designated by an outputted 1 for success and 0 for failure.

`--showviewer`

If this switch is provided then all studies matching the supplied query will be opened for reading and the viewer will be displayed; the worklist will still be accessible through the bottom tool bar. If there was no query prior to this switch call the viewer will not be displayed. The success of the operation is designated by an outputted 1 for success and 0 for failure.

Optionally, if the HIS/RIS application is aware of the exact Hostname or IP Address of the Clarity Archive that is used to launch the Clarity Viewer, then the HIS/RIS can fully synchronize with (i.e., start and stop) the Clarity Viewer using the following commands:

`--start [ipaddress]`

This is an optional switch that, when provided, launches the Clarity Viewer from Clarity Archive at the specified Hostname or IP Address. This switch cannot be used with any other options, and should be used before the "load" and "show" options. The success of the operation is gathered by calling `--running` or through seeing the displayed Viewer.

`--stop`

This is an optional switch that, when provided, stops the Clarity Viewer that is currently running on the computer on which the command is issued. This switch cannot be used with any other options. The success of the operation is designated by an outputted 1 for success and 0 for failure. If the Clarity Viewer is already stopped, the output will be 0.

`--running`

This is an optional switch that, when provided, checks to see if the Clarity Viewer is currently running on the computer. The success of the operation is designated by an outputted 1 for success and 0 for failure.

`--loggedin`

This is an optional switch that, when provided, checks to see if the user is logged into the Clarity Viewer running on the computer. The success of the operation is designated by an outputted 1 for success and 0 for failure.